

VII. **Abstract**

An article, a method implemented with a machine, a machine, and a method for making a machine, and products produced thereby, with respect to a computer system, for example, be structured (e.g., including programmed) to carry out the steps of: calculating an insurance reserve requirement from data; segmenting, for the reserve requirement, an insured contingency risk from a corresponding capital requirement to produce components; and carrying out the reinsurance transaction by steps including: allocating the components to different parties, one of the parties from a group including an insurance risk carrier and a source of an asset for the capital requirement; and assigning assets for the reserve requirement to a reinsurance asset trust to receive reinsurance credit for the reserve requirement.